

Title (en)

Method for forming by metal cutting a circular groove

Title (de)

Verfahren zum Formen mittels Metallschneiden einer kreisförmigen Rille

Title (fr)

Méthode de formation par découpe de métal d'une rainure circulaire

Publication

EP 3025812 B1 20190731 (EN)

Application

EP 14195481 A 20141128

Priority

EP 14195481 A 20141128

Abstract (en)

[origin: EP3025812A1] The invention relates to a rotatable tool (1) for producing a circular groove (21) through metal cutting in a metal work piece (20). The front end of the rotatable tool (1) comprise a first radially outer cutting edge (6) and a second radially inner cutting edge (7'), where the first radially outer cutting edge (6) is located at a larger radial distance from the tool center axis (A2) than any other cutting edge of the rotatable tool (1), and where the second radially inner cutting edge (7') is located at a smaller radial distance from the tool center axis (A2) than any other cutting edge of the rotatable tool (1). The invention also relates to a method of forming a circular groove (21) with such rotatable tool (1).

IPC 8 full level

B23C 3/34 (2006.01)

CPC (source: CN EP US)

B23B 29/03407 (2013.01 - CN EP US); **B23C 3/34** (2013.01 - CN EP US); **B23C 5/12** (2013.01 - US); **B23B 2220/126** (2013.01 - CN EP US); **B23C 2200/0433** (2013.01 - US); **B23C 2210/242** (2013.01 - US); **B23C 2210/285** (2013.01 - US); **B23C 2220/36** (2013.01 - CN EP US)

Cited by

CN113523384A; EP4015119A1; EP4015117A1; WO2022128235A1; WO2022128237A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3025812 A1 20160601; **EP 3025812 B1 20190731**; CN 107073599 A 20170818; CN 107073599 B 20190920; US 2017312835 A1 20171102; WO 2016083044 A1 20160602

DOCDB simple family (application)

EP 14195481 A 20141128; CN 201580057342 A 20151026; EP 2015074758 W 20151026; US 201515531350 A 20151026